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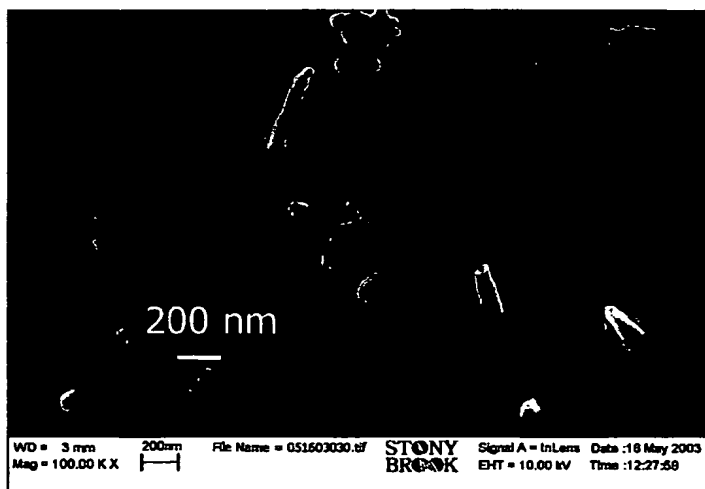
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(54) Title: NANOCOMPOSITE FIBERS AND FILMS CONTAINING POLYOLEFIN AND SURFACE-MODIFIED CARBON
NANOTUBES



(57) Abstract: Methods for
modifying carbon nanotubes with
organic compounds are disclosed.
The modified carbon nanotubes
have enhanced compatibility with
polyolefins. Nanocomposites of the
organo-modified carbon nanotubes
and polyolefins can be used to produce
both fibers and films having enhanced
mechanical and electrical properties,
especially the elongation-to-break
ratio and the toughness of the fibers
and/or films.

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